Volume 26 2002

Progress in Physical Geography

In memoriam: Professor R.J. Chorley 317

Editorial

Progress in periglacial research *Jef Vandenberghe and Colin E. Thorn* 475

Articles

A review of the mid-Holocene elm decline in the British Isles 1
A.G. Parker, A.S. Goudie, D.E. Anderson, M.A. Robinson and C. Bonsall
Calving glaciers *C.J. van der Veen* 96
Dynamics of secondary airflow and sediment transport over and in the lee of transverse dunes 47
Ian J. Walker and William G. Nickling
Emergence and evolution of Himalaya: reconstructing history in the light of recent studies 360
K.S. Valdiya
Fluvial geomorphology of Indian rivers: an overview *Vishwas S. Kale* 400
Glacier mass balance: the first 50 years of international monitoring 76
Roger J. Braithwaite
Landscapes, space and equilibrium: shifting viewpoints *George L. W. Perry* 339
Mapping of mountain permafrost using geophysical methods *Daniel Vonder Mühll, Christian Hauck and Hansueli Gubler* 643
Modern and ancient periglacial river types *Jef Vandenberghe and Ming-ko Woo* 479
Nivation and cryoplantation: the case for scrutiny and integration *Colin E. Thorn and Kevin Hall* 533
Palsas, lithalsas and remnants of these periglacial mounds. A progress report *A. Pissart* 605
Permafrost mapping: a review *J. Alan Heginbottom* 623
Recent research on landslide dams – a literature review with special attention to New Zealand 206
Oliver Korup
Recent research on the nature, origin and climatic relations of blocky and stratified slope 551
deposits *Henk van Steijn, Jan Boelhouwers, Stuart Harris and Bernard Hétu*
Remote sensing methods in medium spatial resolution satellite data land cover classification of 173
large areas *S.E. Franklin and M.A. Wulder*
Reviewing the impact of metals and PAHs on macroinvertebrates in urban watercourses 236
Gary Beasley and Pauline Kneale
Sandy aeolian deposits and environments and their relation to climate during the Last Glacial 507
Maximum and Lateglacial in northwest and central Europe *Cornelis Kasse*
Spatial prediction in hydrology: status and implications in the estimation of hydrological 319
processes for applied research *Manuel Mendoza, Gerardo Bocco and Miguel Bravo*
Vegetation growth in rivers: influences upon sediment and nutrient dynamics *Stewart J. Clarke* 159
Weathering in cold regions: some thoughts and perspectives *Kevin Hall, Colin E. Thorn,* 577
Norikazu Matsuoka and Angelique Prick

Progress reports

Applied climatology *Ian G. McKendry* 462
Fluvial geomorphology *Evan S.J. Dollar* 123
Hydrology: the changing paradigm *Nicholas J. Clifford* 290

© Arnold 2002

Mesoscale beach processes *Diane P. Horn* 271
Remote sensing: environmental change *Daniel N.M. Donoghue* 144
Researching crusting soils: themes, trends, recent developments and implications for managing soil and water resources in dry areas *E. Patrick* 442

Author index

Anderson, D.E.: see Parker, A.G.
Beasley, Gary and Kneale, Pauline: Reviewing the impact of metals and PAHs on macroinvertebrates in urban watercourses 236
Bocco, Gerardo: see Mendoza, Manuel
Boelhouwers, Jan: see van Steijn, Henk
Bonsall, C.: see Parker, A.G.
Braithwaite, Roger J.: Glacier mass balance: the first 50 years of international monitoring 76
Bravo, Miguel: see Mendoza, Manuel
Clarke, Stewart J.: Vegetation growth in rivers: influences upon sediment and nutrient dynamics 159
Clifford, Nicholas J.: Hydrology: the changing paradigm 290
Dollar, Evan S.J.: Fluvial geomorphology 123
Donoghue, Daniel N.M.: Remote sensing: environmental change 144
Franklin, S.E. and Wulder, M.A.: Remote sensing methods in medium spatial resolution satellite data land cover classification of large areas 173
Goudie, A.S.: see Parker, A.G.
Gubler, Hansueli: see Vonder Mühll, Daniel
Hall, Kevin.: see Thorn, Colin E.
Hall, Kevin, Thorn, Colin E., Matsuoka, Norikazu and Prick, Angelique: Weathering in cold regions: some thoughts and perspectives 577
Harris, Stuart: see van Steijn, Henk
Hauck Christian: see Vonder Mühll, Daniel
Heginbottom, J. Alan: Permafrost mapping: a review 623
Hétu, Bernard: see van Steijn, Henk
Horn, Diane P.: Mesoscale beach processes 271
Kale, Vishwas S.: Fluvial geomorphology of Indian rivers: an overview 400
Kasse, Cornelis.: Sandy aeolian deposits and environments and their relation to climate during the Last Glacial Maximum and Lateglacial in northwest and central Europe 507
Kneale, Pauline: see Beasley, Gary
Korup, Oliver: Recent research on landslide dams – a literature review with special attention to New Zealand 206
McKendry, Ian G.: Applied climatology 462
Matsuoka, Norikazu: see Hall, Kevin
Mendoza, Manuel, Bocco, Gerardo and Bravo, Miguel: Spatial prediction in hydrology: status and implications in the estimation of hydrological processes for applied research 319
Nickling, William G.: see Walker, Ian J.
Parker, A.G., Goudie, A.S., Anderson, D.E., Robinson, M.A. and Bonsall, C.: A review of the mid-Holocene elm decline in the British Isles 1
Patrick, E.: Researching crusting soils: themes, trends, recent developments and implications for managing soil and water resources in dry areas 442
Perry, George L. W.: Landscapes, space and equilibrium: shifting viewpoints 339
Pissart, A.: Palsas, lithalsas and remnants of these periglacial mounds. A progress report 605
Prick, Angelique: see Hall, Kevin
Robinson, M.A.: see Parker, A.G.
Thorn, Colin E. and Hall, Kevin: Nivation and cryoplantation: the case for scrutiny and integration 533
Thorn, Colin E.: see Hall, Kevin
Thorn, Colin E.: see Vandenberghe, Jef.
Valdiya, K.S.: Emergence and evolution of Himalaya: reconstructing history in the light of recent studies 360
Vandenberghe, Jef and Thorn, Colin E.: Progress in periglacial research (Editorial) 475
Vandenberghe, Jef. and Woo, Ming-ko.: Modern and ancient periglacial river types 479
van der Veen, C.J.: Calving glaciers 96

van Steijn, Henk, Boelhouwers, Jan, Harris, Stuart and Hétu, Bernard: Recent research on the nature, origin and climatic relations of blocky and stratified slope deposits 551
Vonder Mühll, Daniel, Hauck, Christian, and Gubler, Hansueli: Mapping of mountain permafrost using geophysical methods 643
Walker, Ian J. and Nickling, William, G.: Dynamics of secondary airflow and sediment transport over and in the lee of transverse dunes 47
Woo, Ming-ko.: see Vandenberghe, Jef.
Wulder, M.A.: see Franklin, S.E.

Classics

The first reserve selection algorithm – a retrospective on Jamie Kirkpatrick's 1983 paper 434
R.L. Pressey

Book reviews

Beck, B.F. and Herring, J.G., editors, *Geotechnical and environmental applications of karst geology and hydrology: proceedings of the eighth multidisciplinary conference on sinkholes and karst* (reviewer: T. Waltham) 303
Beniston, M. *Environmental change in mountains and uplands* (reviewer: M. Mulligan) 304
Bird, E.C.F., *Coastal geomorphology: an introduction* 153
Bradbury, I., Boyle, J. and Morse, A., *Scientific principles for physical geographers* (reviewer: D.A. Davidson) 469
Castigzioni, G.B. and Pellegrini, G.B., editors, Illustrative notes on the geomorphological map of Po Plain (Italy). *Geografia Fisica e Dinamica Quaternaria* (reviewer: A.S. Goudie) 469
Dassargues, A., editor, *Tracers and modelling in hydrogeology* (reviewer: K. Hiscock) 305
Drew, D. and Hötzl, H., editors, *Karst hydrogeology and human activities: consequences and implications* (reviewer: H. Goldie) 306
French, P.W., *Coastal defences: processes, problems and solutions* (reviewer: N. Harvey) 470
Ganderton, P., *Mastering geography* (reviewer: R. Digby) 154
Griffiths, J., Stokes, M. and Thomas, R., editors, *Landslides: proceedings of the 9th international conference and field trip, Bristol '99* (reviewer: B. Murphy) 307
Harrop, D.O. and Nixon, J.A., *Environmental assessment in practice* (reviewers: R. Haines-Young and M. Potschin) 308
Haslett, S.K., Coastal systems (reviewer: N. Harvey) 155
Horn, R., van der Akker, J.J.H. and Arvidssoon, J., editors, *Subsoil compaction: distribution, processes and consequences* (reviewer: M.J. Haigh) 471
Hubbell, S.P., *The unified neutral theory of biodiversity and biogeography* (reviewer: S. Trudgill) 156
Jones, P.D., Ogilvie, A.E.J., Davies, T.D. and Briffa, K.R., editors, *History and climate: memories of the future?* (reviewer: P. Langdon) 473
Marchetti, M. and Rivas, V., editors, *Geomorphology and environmental impact assessment* (reviewer: R. Gilbert) 309
Ollier, C. and Pain, P., *The origins of mountains* (reviewer: J. Gerrard) 310
Ruddiman, W.F., *Earth's climate: past and future* (reviewer: A. Goudie) 158
Trudgill, S., *The terrestrial biosphere: environmental change, ecosystem science, attitudes and values* (reviewer: C. Park) 311
Wieczorek, G.F. and Naeser, N.D., editors, *Debris-flow hazards mitigation: mechanics, prediction, and assessment* (reviewer: M.J. Crozier) 312

Short review notes

Conacher, A., editor, *Land degradation* (reviewer: A.S. Goudie) 314

Web review

Oceanography: models and data *Paul M. Mather* 315